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Patent
Case No.: 59343US003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: HADDAD, LOUIS C.
Application No.: 10/810738 Group Art Unit: 1642
Filed: March 26, 2004 Examiner: Unknown
Title: MATERIALS, METHODS, AND KITS FOR REDUCING NONSPECIFIC
BINDING OF MOLECULES TO A SURFACE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
Date <u>Sept 9, 2004</u>	Signed by: <u>Jody L. Bronson</u>

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

9/9/04
Date

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Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

March 26, 2004

First Named Inventor

Haddad, Louis C.

Art Unit

1642

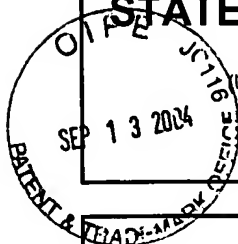
Examiner Name

Attorney Case Number

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(Use as many sheets as necessary)

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Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A3	US- 4,153,661	05-08-1979	Ree et al.	
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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 11	Application Number	10/810,738
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	B42	WIPO	01/38865 A1	05-31-2001	The Governors of the Univ. of Alberta		
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	B51	WIPO	04/011592 A2, A3	02-05-2004	Applera Corp.		
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	3M Material Safety Data Sheet for FC-4430 FLUORAD™ Fluorosurfactant (9 pgs) (May 7, 2003).
	C2	3M Material Safety Data Sheet for 3M™ FLUORAD™ Fluorosurfactant FC-4432 (9 pgs) (May 21, 2003).
	C3	"ABI Prism® BigDye™ Terminators v3.0 Cycle Sequencing Kit," product information [online]. Applied Biosystems, 2000, 2001 [retrieved 2001-12-03]. Retrieved from the Internet: <URL:http://www.appliedbiosystems.com/products/productdetail.cfm?id=81>, pg. 1.
	C4	AL-SOUD et al.; "Purification and Characterization of PCR-Inhibitory Components in Blood Cells," <i>Journal of Clinical Microbiology</i> ; Vol. 39(2); pp. 485-493 (2001).
	C5	ALTSCHULER et al.; "Benchmarks: Plasmid DNA Isolation Utilizing a Novel Nonionic Detergent," <i>BioTechniques</i> ; Vol. 17(3); pp. 434, 436 (1994).
	C6	American Society of Testing Materials, "ASTM D 570-98, Standard Test Method for Water Absorption of Plastics," <i>Annual Book of ASTM Standards</i> , pgs. 31-33 and Title page (January 2001).

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	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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	C8	BARTL et al.; "Simple and Broadly Applicable Preparation by Use of Magnetic Glass Particles," <i>Clin Chem Lab Med</i> , Vol. 36(8), pp. 557-559 (1998).
	C9	"BLAST," National Institutes of Health [online] United States, [retrieved 10/23/00]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/BLAST>, 2 pgs.
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	C12	BOOM et al., "Rapid and Simple Method for Purification of Nucleic Acids," <i>Journal of Clinical Microbiology</i> , 1990, March; Vol. 28, No. 3; pgs. 495-503, Publication page, and Title page.
	C13	BREADMORE et al.; "Microchip-Based Purification of DNA from Biological Samples," <i>Analytical Chemistry</i> , Vol. 75(8); pp. 1880-1886 (2003).
	C14	BREZINSKI; "Laying the foundation for New Technologies 3M Creates a new building block for its fluorosurfactants," <i>Paintings and Coatings Industry</i> , (January 2003).
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	C16	BURCKHARDT; "Amplification of DNA From Whole Blood," PCR Methods and Applications, <i>Cold Spring Harbor Laboratory Press</i> , Vol. 3, No. 4., pp. 239-243 (February 1994).
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	C22	KROSCHWITZ et al., (Eds.); <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , 4 th Ed.; John Wiley and Sons; NY; Vol. 23; pp. 506-523 (1997).
	C23	NIELSEN et al.; "Peptide nucleic acid (PNA), a DNA mimic with a pseudopeptide backbone," <i>Chemical Society Review</i> , Vol. 26; pp. 73-78 (1997).

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	C24	TIAN et al.; "Evaluation of Silica Resins for Direct and Efficient Extraction of DNA from Complex Biological Matrices in a Miniaturized Format," <i>Analytical Biochemistry</i> , Vol. 283, pp. 175-191 (2000).
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	C34	Tong, et al., "Solid-Phase Method for the Purification of DNA Sequencing Reactions," <i>Anal Chem</i> , 1992; Vol. 64, No. 22; pgs. 2672-2677, Publication page, and Title page.
	C35	Co-related U.S. Patent Application Serial No. 10/417,609 filed April 17, 2003 entitled "Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using an Anion Exchange Material that Includes a Polyoxyalkylene" (3M Case No. 58301US002).
	C36	Co-related U.S. Patent Application Serial No. 60/532,404 filed December 24, 2003 entitled "Methods and Kits For Reducing Nonspecific Binding of Molecules to a Surface" (3M Case No. 59071US002).
	C37	Co-related U.S. Patent Application Serial No. 10/852,642 filed May 24, 2004 entitled "Variable Valve Apparatus and Methods" (3M Case No. 59071US003).
	C38	Co-related U.S. Provisional Application Serial No. 60/532,523 filed December 24, 2003 entitled "Methods for Nucleic Acid Isolation and Kits" (3M Case No. 59073US002).
	C39	Co-related U.S. Patent Application Serial No. 10/852,645 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using Solid Phase Material" (3M Case No. 59073US003).
	C40	Co-related U.S. Patent Application Serial No. 60/532,523 filed December 24, 2003 entitled "Methods and Kits for Reducing Nonspecific Binding of Molecules to a Surface" (3M Case No. 59343US002).

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	C41	Co-related U.S. Patent Application Serial No. 10/852,085 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using a Microfluidic Device and Concentration Step" (3M Case No. 59801US002).
	C42	Co-related U.S. Patent Application Serial No. 10/852,022 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation And Kits Using a Microfluidic Device and Sedimenting Agent" (3M Case No. 59802US002).

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